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Foreign Documents Branch C I A Periodical Abstracts

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Number 72

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<u>Polish Periodicals</u>		
"Skrzydłata Polska" (Polish Wings)		
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Distribution

State	9
Army	29
Navy	30
Air Force	6
NACA	1
IC	5
AEC	1
RDB	7
CIA	10
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Total	120

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POLAND/Aeronautics Airplanes, Trainer Airplanes - Specifications	Jan 1946	POLAND/Aeronautics Gliders Training, Aviation	Jan 1946		
"S-1 Polish Training Plane" 2 pp		"Gliders, Preliminary Training for Flying," Rudolf Weigl, Engr, 3 pp			
"Skrzydlatą Polska" Vol II, No 1 (8)		"Skrzydlatą Polska" Vol II, No 1 (8)			
Plane constructed by Eugeniusz Stankiewicz. Tested in Mielce. Gives some of specifications.		Discusses advantages and economy of first training all fliers on gliders. Gives instruction on flying with gliders. Points out similarity with planes, and time that can be saved in later training.			
FDB	72T1	FDB	72T2		
POLAND/Aeronautics Airplanes - Design Airplanes	Jan 1946	POLAND/Aeronautics Gliders Landing Fields	Jan 1946		
"PO-2," Capt Antoni Mankowski, 2 pp		"Polish Glider Fields," Romuald Flach, Glider Inspector, 2 pp			
"Skrzydlatą Polska" Vol II, No 1 (8)		"Skrzydlatą Polska" Vol II, No 1 (8)			
Plane formerly called the U-2. Detailed description with diagram and figures.		Gives map of Poland with most important glider fields and schools marked. Also lists them according to regions.			
FDB	72T3	FDB	72T4		
POLAND/Aeronautics Parachutes	Jan 1946	USSR/Aeronautics Model Construction Parachutes	Jan 1946		
"Theory of Parachuting," Lt Col Powalajew, 1 $\frac{1}{2}$ pp		"News from Abroad" 1/3 p			
"Skrzydlatą Polska" Vol II, No 1 (8)		"Skrzydlatą Polska" Vol II, No 1 (8)			
Gives mathematical and mechanical description of parachuting and opening of chute, increasing speeding of descent and landing.		Central Aeroclub in USSR reorganized after the war. Lists two new records: W. Romaniuk, parachutist, jumped from height of 13,108 meters; N. Trunchenkov, model plane, longest duration of flight - 2 hours, 17 minutes, 48 seconds.			
FDB	72T5	FDB	72T6		
POLAND/Aeronautics Gliders Training, Aviation	Feb 1946	POLAND/Aeronautics Gliders Training, Aviation	Feb 1946		
"Polish Gliders," R. Flach, Inspector, 2 pp		"Gliders, Preliminary Schooling in Motorized Planes," Rudolf Wiegł, 1 $\frac{1}{2}$ pp			
"Skrzydlatą Polska" Vol II, No 2 (9)		"Skrzydlatą Polska" Vol II, No 2 (9)			
Describes the glider schools at Grunow, Silesia; Zar; and Kamienna Gora (Rocky Mountain); the headquarters of glider schools at Sosnowiec and Golezow. Gives directions to these places and discusses their finer points.		Claims difficulty in regulating schedules in glider training due to weather conditions could be solved by use of motorized gliders such as the prewar "Bak" and ITS-8. Explains where such training could be undertaken and the smooth transition to regular planes."			
FDB	72T7	FDB	72T8		

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<p>POLAND/Aeronautics Gliders Training, Aviation</p> <p>Feb 1946</p> <p>"Theoretical Training In Gliders," A. Trzcinski, 3 pp</p> <p>"Skrzydłata Polska" Vol II, No 2 (9)</p> <p>States that standard of theoretical knowledge of gliders is very low even among instructors. Courses in theory should be prerequisites to practical training. Gives general scope of such courses and subjects upon which they should touch, meteorology, mechanics, parachutes, etc.</p> <p>FDB 72T9</p>	<p>POLAND/Aeronautics, Military Mechanics, Aeronautical</p> <p>Feb 1946</p> <p>"Officer - Mechanics" 1 p</p> <p>"Skrzydłata Polska" Vol II, No 2 (9)</p> <p>Describes promotion ceremony at Technical Air School for noncommissioned officers. Graduates promoted by Gen Korczy. General mentions full cooperation with Soviet air arm.</p> <p>FDB 72T10</p>
<p>POLAND/Aeronautics Parachutes, Operation</p> <p>Feb 1946</p> <p>"Forced Parachute Jumps," Col Powalajew, 1 1/3 pp</p> <p>"Skrzydłata Polska" Vol II, No 2 (9)</p> <p>Discusses proper jumping procedure; care of equipment. Describes Lobanova parachute and proper way to abandon plane.</p> <p>FDB 72T11</p>	<p>POLAND/Aeronautics Gliders Flight Training</p> <p>Feb 1946</p> <p>"Glider Flights From Towers," Adam Zientek, 3/4 p</p> <p>"Skrzydłata Polska" Vol II, No 2 (9)</p> <p>Presents methods of making such flights and describes a glider that could be used.</p> <p>FDB 72T12</p>
<p>POLAND/Aeronautics Gliders Landing Fields</p> <p>Mar 1946</p> <p>"Polish Glider Fields," Romuald Flack, Inspector, 3/4 p</p> <p>"Skrzydłata Polska" Vol II, No 3 (10)</p> <p>Gives description and locations of glider fields at Gostomie, Przywidz, Strzebielino, Lebork, Kempino, and Pinczow.</p> <p>FDB 72T13</p>	<p>POLAND/Aeronautics Airplanes, Commercial Airlines</p> <p>Mar 1946</p> <p>"Polish Air Lines 'Lot'," Jan Wilczynski, Chief Inspector, 2 pp</p> <p>"Skrzydłata Polska" Vol II, No 3 (10)</p> <p>Explains that "Lot" had to start anew after the war. Due to shortages, services were limited to government. "Lot" obtained number of planes from USSR. However, lines are in a very poor condition despite creation of routes between larger cities.</p> <p>FDB 72T14</p>
<p>POLAND/Aeronautics Model Construction Training, Aviation</p> <p>Mar 1946</p> <p>"From the Life of the Aeroclubs" 3/4 p</p> <p>"Skrzydłata Polska" Vol II, No 3 (10)</p> <p>Opening of two new aeroclubs, one in Stettin, the other in Deer Mountain, (Jelena Gora). Opening of a workers' model-glider shop in Lwow. Theoretical motor school will open in Warsaw.</p> <p>FDB 72T15</p>	<p>POLAND/Aeronautics Gliders Training, Aviation</p> <p>Mar 1946</p> <p>"Training Glider of the Future," Adam Zietik, 1 p</p> <p>"Skrzydłata Polska" Vol II, No 3 (10)</p> <p>Complains about gliders in Poland, and explains need of a new and more useful type. Makes recommendations for new-type glider.</p> <p>FDB 72T16</p>

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POLAND/Aeronautics Gliders Training, Aviation	Apr 1946	POLAND/Aeronautics Gliders Training, Aviation	Apr 1946
"From the Life of the Aeroclubs" 1 p		"Polish Gliders" Romuald Flack, Inspector, 2 pp	
"Skrzydlaty Polska" Vol II, No 4 (11)		"Skrzydlaty Polska" Vol II, No 4 (11)	
Creation of a Glider Institute in Bielsk. Unified course for instructors by Civilian Air Ministry. First All-Polish Glider Conference in Grunow.		Gives names and description of glider schools and centers at Malbork, Polichno, Gora Osona, Tegoborz, Bodzow, Fordon, Lisie Katy, and Torun.	
FDB	72T17	FDB	72T18
POLAND/Aeronautics Gliders Training, Aviation	Apr 1946	GERMANY/Aeronautics Jet Planes Airplanes, Military	Apr 1946
"Beginning Gliders" 1 p		"Propellers and Pistons in Battle With Tomorrow's Planes," Maj Janusz Przymianowski, 3 pp	
"Skrzydlaty Polska" Vol II, No 4 (11)		"Skrzydlaty Polska" Vol II, No 4 (11)	
Describes country's interest in gliders and their constant appeal. Lists places and dates where training for gliders will be given in 1946.		Discusses German jet planes used in the World War II and methods of fighting them.	
FDB	72T19	FDB	72T20
POLAND/Aeronautics Airlines Gliders	Apr 1946	POLAND/Aeronautics Airplanes - Construction	May 1946
"News at Home" 1 p		"From the Life of the Aeroclubs" 2/3 p	
"Skrzydlaty Polska" Vol II, No 4 (11)		"Skrzydlaty Polska" Vol II, No 5 (12)	
Reports Polish-Russian air conferences by which Poles hope to obtain aviation equipment from Russia. Expansion of Polish Air Lines "Lot" to other cities. Theoretical glider course in Krakow.		Club for plane construction formed at the Engineering School, Poznan. Mentions Prof Zalinski.	
FDB	72T21	FDB	72T22
POLAND/Aeronautics Gliders, Powered Motors	May 1946	POLAND/Aeronautics, Military Pilots, Air Flight Training	May 1946
"Motorized Gliders," Capt Antoni Mankowski, 2 pp		"Training of Combat Fliers," F. Polynin, Gen of Defense, Commander Polish Air Forces, 2 pp	
"Skrzydlaty Polska" Vol II, No 5 (12)		"Skrzydlaty Polska" Vol II, No 5 (12)	
Mentions Poland's prewar excellence in field of motorized gliders. Defines a motorized glider. Quotes from Civilian Air Ministry proper specifications for a motorized glider. Mentions motor which could be used called "Gad."		Explains that people cannot rest on their laurels but must train and maintain combat crews in constant preparedness. Training must make use of all past experiences and skills. Tactical as well as technical training for all personnel. Special care for selection and training of officers.	
FDB	72T23	FDB	72T24

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USSR/Aeronautics Model Construction Engines Aircraft "News from Abroad" 1/8 p "Skrzydlatą Polską" Vol II, No 5 (12) Reports Russian contest for midget motors for flying models.	May 1946	POLAND/Aeronautics Gliders Landing Fields "Polish Gliders Field," Romuald Flack, Inspector, 2 pp "Skrzydlatą Polską" Vol II, No 5 (12) Gives name, location and descriptions of Polish glider fields and centers at Borawa Gora, Dabrowka, Rządakono, Mosina, Kobylnica, Inowrocław, Ostrow, Bezmiechowa, Krosno, and Zadzibork.	May 1946
FDB	72T25	FDB	72T26
USSR/Aeronautics Gliders Communications "Gliders in Air Communication" 1/2 p "Skrzydlatą Polską" Vol II, No 6 (13) Experiments in use of gliders in air communications by Civilian Air Institute in USSR. Mentions constructors Gribovskiy, Sybin. and Kolesnikov.	Jun 1946	POLAND/Aeronautics Model Construction Glider, Power "Pegaz" 1 p "Skrzydlatą Polską" Vol II, No 6 (13) Description of winner of competition for design of model motorized glider, "Pegaz."	Jun 1946
FDB	72T27	FDB	72T28
POLAND/Aeronautics Gliders Training, Aviation "Report From the Unified Course for Glider Instructors" 2 pp "Skrzydlatą Polską" Vol II, No 7 (14) States purpose of course. Explains theory as well as practice. Names some of instructors; number of flights with damage resulting to equipment; number of students in various categories and grades.	Jul 1946	POLAND/Aeronautics Pilots, Air Mechanics, Aeronautical "Civilian School for Pilots and Mechanics at Lower Ligotce" 1 p "Skrzydlatą Polską" Vol II, No 7 (14) Opening of school at Lower Ligotce. Purpose of school expansion of trained men in aviation, extension of air sports, and reserve for the army. Director of civilian aeronautics, Zablocki. In charge of the school was Lt Col Zenon Romanowski. Names various instructors. As yet many difficulties to be overcome.	Jul 1946
FDB	72T29	FDB	72T30
POLAND/Aeronautics, Military Jet Propulsion Flight Training "Book Reviews" 2/3 p "Skrzydlatą Polską" Vol II, No 7 (14) Reviews two articles in "Bellona" Army Monthly Journal. Kazimierz Stawinski discusses Polish Air Force and Poland's new geographical position; includes maps. Roscislaw Ksiende discusses jet planes; terminology poor. Reviews "General Flight Instructions," War Institute, 1946; information elementary in nature.	Jul 1946	POLAND/Aeronautics, Military Pilots, Air "Eagles from Deblinski's Nest" 1 p "Skrzydlatą Polską" Vol II, No 8 (15) Over 200 fliers commissioned by Marshal Michal Zymierski 21 Jul 1946. Quotes part of speech given to new officers by the Marshal.	Aug 1946
FDB	72T31	FDB	72T32

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CZECHOSLOVAKIA/Aeronautics
Gliders, Powered
Engines, Aircraft

Aug 1946

"Misunderstanding of the Czechs" $\frac{1}{2}$ p

"Skrzydla Polska" Vol II, No 8 (15)

Comments on a Czech editor who misread an article on Polish "Gad" engine for motorized gliders. States that Czechs are producing two motors for sporting planes, Walter-Mikron 4-III and Walter-Minor 4-III with a new engine, Walter-Minor 6-III on its way.

FDB

72T33

USSR/Aeronautics
Engines, Aircraft

Sep 1946

"Russian Plane Motors," Lt Alfred Windholz, 2 pp

"Skrzydla Polska" Vol II, No 9 (16)

Based on an article by Karmarin "USSR Motors After the War". States that Russian plane engine construction did not begin until 15 years ago. Describes Russian motors during war; lists names and features.

FDB

72T34

USSR/Aeronautics, Military
Airplanes, Jet Propelled
Airplanes, Construction

Sep 1946

"Holiday of Friends in Arms (Russian)" 1 p

"Skrzydla Polska" Vol II, No 9 (16)

Holiday of the Red Air Forces, 18 August. Display of Russian aviation including jet planes. Few comments on Russian plane industry and politics.

FDB

72T35

POLAND/Aeronautics
Pilots, Air
Training, Aviation

Oct 1946

"Motor School," Aleksander Wasowicz, Instructor, 2 pp

"Skrzydla Polska" Vol II, No 10 (17)

Mentions central school for pilots and mechanics of the Communications Ministry at Lower Ligotce. Need for patience by both instructors and students. Greatest shortage is of good instructors. Discusses PO-2 training plane.

FDB

72T36

POLAND/Aeronautics
Airplanes, Jet Propelled
Bombs, Flying

Oct 1946

"Flying Bombs, Jet Planes, Air Turbines and Us" Col Wladyslaw Zaczekiewicz, 2 pp

"Skrzydla Polska" Vol II, No 10 (17)

Discusses possibilities for Polish aviation. Gives examples of work in other countries, US, Germany, England. Discusses radical changes in bombs, engines, and turbines.

FDB

72T37

POLAND/Aeronautics
Gliders
Training, Aviation

Oct 1946

"Bulletin No 1 of the Air League," W. Leja, 2 pp

"Skrzydla Polska" Vol II, No 10 (17)

Explains how Air League was formed and by whom. Gives temporary heads, program of central office in training of fliers. Discusses maintenance of gliders, planes, and interest in model building. Mentions future publications. League is preparing a school for instructors and maintains an air library.

FDB

72T38

USSR/Aeronautics, Military
Airplanes, Military

Nov 1947

"Nineteen War Planes," Rudolf Urlich, 3 pp

"Skrzydla Polska" Vol III, No 11 (30)

Brief description and profiles of 19 Russian War planes: KOR-1, MBR-2, ARK-3, I-15, I-153, I-16, YAK-1 YAK-7, MIG-3, LAG-6 and 7, LA-5, SB-2, TB-3, TB-6 B, TB-7 (ANT-14), DB-3 F, IL-2, PE-2, and YAK-4.

FDB

72T39

POLAND/Aeronautics
Airports - Construction
Airports - Sites

Nov 1947

"News" 1/8 p

"Skrzydla Polska" Vol III, No 11 (30)

New airfield in Bydgoszcz on western side of city.

FDB

72T40

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USSR/Aeronautics Gliders - Design Gliders		Nov 1947	POLAND/Aeronautics Aerodynamics		Nov 1947
"Russian Gliders," Rudolf Urich, 3 pp			"Zukowski, Mikolaj," Capt Alfred Windholz, 2 pp		
"Skrzydłata Polska" Vol III, No 11 (30)			"Skrzydłata Polska" Vol III, No 11 (30)		
Description and profile views of ten Russian gliders, including names of designers: "Stakhanovich," OKA-13, G-12, G-Nr-7, MAK-8, MKB-2, SZ-10, "Oktyabrionok", RF-3 (OKA-19), and US-5 (OKA-32).			Subject was founder of modern aerodynamics; studied theory of flight and related subjects. Gives history of his work in aviation.		
FDB		72T41	FDB		72T42
POLAND/Aeronautics, Military Airplanes - Construction Airplanes, Military		Nov 1947	USSR/Development		Nov 1947
"The Family of YAKs," Vigand, Designer, 3 pp			"Anniversary of Our Friends," Lt Col Stanislaw Bober, 3 pp		
"Skrzydłata Polska" Vol III, No 11 (30)			"Skrzydłata Polska" Vol III, No 11 (30)		
Discusses work of Yakovlev, since beginning of war. Claims construction of YAKs makes mass production easy. Tells of continual improvement of YAKs speed, maneuverability, and armament. Discusses work in transport and communication planes by Yakovlev.			On 30th Anniversary of Russian Revolution, and its effect on aviation. Gives history of Russian aviation from beginning; names most important men. New Five-Year Plan foresees further expansion of aviation.		
FDB		72T43	FDB		72T44
USSR/Aeronautics Helicopters - Design		Dec 1947	CZECHOSLOVAKIA/Aeronautics Airplanes - Construction		Dec 1947
"Russian Helicopter Construction," Feliks Pawlowicz, Pilot, 1 p			"Czech Plane Industry," Andrzej Flukcinski, 3 pp		
"Skrzydłata Polska" Vol III, No 12 (31)			"Skrzydłata Polska" Vol III, No 12 (31)		
Brief history of prewar Russian helicopters. Mentions modern designers Kamov, Bratukhin, and Cheremukhina. Describes some of their planes.			Discusses quick recovery of Czech plane industry. One hardship was decrease in skilled workers. Describes products of leading Czech plane industries: Cakovice Plant, AVIA 36; Chocen Plant, "SOKOL" MIA; Otrokovice Plant, ZLIN 22, ZLIN 122, ZLIN 23, ZLIN 24, ZLIN 281; Karlin Plant, PRAGA E 114, PRAGA E 117, PRAGA E 210; Letany Plant, LETOV 101, LETOV 290;		
FDB		72T45	FDB		72T46
POLAND/Aeronautics Gliders Pilots, Air		Dec 1947	CZECHOSLOVAKIA/Aeronautics (Contd)		Dec 1947
"Mistakes Made by Glider Pilots," Wlodzimierz Humen, 3½ pp			Vysocany Plant, AERO 45; and Hodek Plant, HK 101.		
"Skrzydłata Polska" Vol III, No 12 (31)					
Invites instructors to send in their observations on errors commonly made by glider pilots. Discusses state of glider training in Poland. Analyses some common faults in glider flying. Advice for instructors rather than beginners.					
FDB		72T47	FDB		72T46

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USSR/Aeronautics Airplanes, Transport Airplanes - Construction Dec 1947 "Plane Construction," Rudolf Urich, 1½ pp "Skrzydłata Polska" Vol III, No 12 (31) Gives short description of Iliushi-12, postwar Russian transport plane. FDB 72T48	USSR/Aeronautics Balloons Dec 1947 "New Russian Air Records" 1 p "Skrzydłata Polska" Vol III, No 12 (31) Lists new records made by USSR, reported at FAI Conference in Geneva. Balloon records include: Boris Neverno, altitude, 7,097.5 meters; Sergei Zinovev, flight duration, 46 hours, 10 minutes; Aleksey Roshchin, altitude, 8,445.5 meters. FDB 72T49
POLAND/Aeronautics Engineers, Aeronautical Wind Tunnels Dec 1947 "Aeronautical Institute," Capt Antoni Mankowski, 1 p "Skrzydłata Polska" Vol III, No 12 (31) Activity of school includes training of technicians, plans for construction of a wind tunnel, research in stress, and testing of engines. FDB 72T50	YUGOSLAVIA/Aeronautics Gliders Flight Training Dec 1947 "News" 1/8 p "Skrzydłata Polska" Vol III, No 12 (31) First postwar glider field in Yugoslavia at Brzezicy near Zagreb. Tells of first course given in gliders and type of equipment used. FDB 72T51
SWEDEN/Aeronautics Gliders - Performance Dec 1947 "Eight thousand, eight hundred Meters in a Glider," Adam Zientek, Pilot, 2 pp "Skrzydłata Polska" Vol III, No 12 (31) New glider height record made by Axex Persson (Swedish). Quotes from report Persson made of his flight. FDB 72T52	POLAND/Aeronautics Gliders Training, Aviation Mar 1948 "Three Years of the Kujawski Aeroclub" 1 p "Skrzydłata Polska" Vol IV, No 3 (34) Kujawski Aeroclub organized in Mar 1945. Constant expansion by training new men in gliders and planes. FDB 72T53
USSR/Aeronautics Airplanes, Pusher Gliders Mar 1948 "Ducks," Ryszard Witkowski, 3 pp "Skrzydłata Polska" Vol IV, No 3 (34) Gives history of this type of plane or glider with a small forward wing. Experiments with plane in USSR, its advantages and disadvantages, and research on this type especially in US. Mentions work of Mikoyan and Gurievich in USSR on Mi-6 plane. FDB 72T54	POLAND/Aeronautics Airplanes, - Construction Mar 1948 "News at Home" 1 p "Skrzydłata Polska" Vol IV, No 3 (34) Work started in Bodz on production of MIS-1 plane but held up because Junak had priorities. Gives some features of MIS-1. Work on Junak being completed; built by Tadeusz Soltyk. Gives some of its features. FDB 72T55

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<p>POLAND/Aeronautics Gliders Training, Aviation</p> <p>Mar 1948</p> <p>"A Training Glider, IS-3 ABC," Rudolf Matz, and Roman Zatwarnicki, Engr, 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>Need for new gliders after German occupation, especially of elementary type. IS-3 ABC first of a new type of trainer. Gives chief features of this glider which appears to have met with the approval of testers and instructors.</p> <p>FDB 72T56</p>	<p>USSR/Aeronautics Flight, High Altitude Flight, Formulas</p> <p>Mar 1948</p> <p>"Interplanetary Flights" 3 pp</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>States that Ary J. Sternfield, French scientist, is still working on his theories of interplanetary flights in USSR. Quotes two lengthy paragraphs from Sternfield's book, "Entrance Into the Cosmic Science." From these he thinks we are close to realizing the goal of space flights.</p> <p>FDB 72T57</p>
<p>USSR/Aeronautics Airplanes, Attack Engines, Aircraft</p> <p>Mar 1948</p> <p>"Technical News," 1 p</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>New Russian plane engine, AM-42, to be used in new attack planes. It is a modification of the AM-38. Produced by A. A. Mikulina.</p> <p>FDB 72T58</p>	<p>POLAND/Aeronautics Pilots, Air Gliders</p> <p>Mar 1948</p> <p>"Organization for Universal Training (Youth) 'Service for Poland'," Maj Przymanowski Janush, 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>"Service for Poland" is an organization for development of youth physically and militarily. Author explains this as part of Three-Year Plan for rebuilding country and rehabilitating people. This organization will train glider pilots, and parachutists. Discusses administrative problems.</p> <p>FDB 72T59</p>
<p>POLAND/Aeronautics Gliders Training, Aviation</p> <p>Mar 1948</p> <p>"Glider Training in 1948 (Informational Notes)" 1 p</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>Glider training will be centralized in 14 schools named. Also gives requirements necessary to qualify for three glider-pilot licenses. These schools will be open from 1 May to 15 Oct and are open to those who are accepted by Sluzba Polsce (Service for Poland)</p> <p>FDB 72T60</p>	<p>POLAND/Aeronautics (Contd)</p> <p>Mar 1948</p> <p>Training will be done in conjunction with Air League and Aeroclubs.</p> <p>FDB 72T59</p>
<p>POLAND/Aeronautics Pilots, Air Gliders</p> <p>Mar 1948</p> <p>"Communiqués of the High Command of 'Service for Poland'" 1 p</p> <p>"Skrzydłata Polska" Vol IV, No 3 (34)</p> <p>(1) Training of glider pilots, 1st and 2d degrees; requirements for entrance into schools. (2) Training of glider pilots, 3d degree; requirements for entrance into schools. (3) Training in motored planes; requirements for entrance into schools.</p> <p>FDB 72T61</p>	<p>POLAND/Aeronautics Navigation Aerial Instruments, Aeronautical</p> <p>Apr 1948</p> <p>"Flight Through Clouds," Krysztof Miller, Engr 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 4 (35)</p> <p>Account of glider flight through clouds at altitude of 3,000 meters. Makes observations on failure of instruments and suggests indispensable equipment for such flying.</p> <p>FDB 72T62</p>

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POLAND/Aeronautics Pilots, Air Gliders	Apr 1948	POLAND/Aeronautics Gliders Landing Fields	Apr 1948
"Pointers for Glider Pilots," Adam Zientek, Pilot, 2 pp		"High Performance Glider Field," Capt Antoni Man- kowski, 1 p	
"Skrzydlaty Polska" Vol IV, No 4 (35)		"Skrzydlaty Polska" Vol IV, No 4 (35)	
Practical advise to glider pilots desiring high alti- tude flights. Pointers on orientation and selection of a landing field.		Describes glider field and training school at Zar, location and advantages over other fields, and de- tails of its construction.	
FDB	72T63	FDB	72T64
USSR/Aeronautics Parachutes - Design	Apr 1948	POLAND/Aeronautics Airplanes - Stability Testing Procedures	Apr 1948
"PT-1 A Parachute," Witold Soszynski, Instructor, 1 p		"Tests of Efficiency In Flight," Franciszek Janik, Engr, 3 pp	
"Skrzydlaty Polska" Vol IV, No 4 (35)		"Skrzydlaty Polska" Vol IV, No 4 (35)	
Description of PT-1 A Soviet parachute. Used only for instruction purposes. Gives its specifications and construction figures.		Tests of efficiency for powered planes are given under following headings: (1) ground tests location of center of mass; safety devices; plane servicing; visibility and safety; and other specific tests. (2) efficiency in flight--including condition of equilibrium and tests to maintain equilibrium.	
FDB	72T65	FDB	72T66
USSR/Aeronautics Airplanes - Icing Ice Formation	Apr 1948	POLAND/Aeronautics Airplanes Chemical Warfare	Apr 1948
"Ice Formation at High Speeds," Lt Rudolf Urich, 1 p		"News at Home," 1/4 p	
"Skrzydlaty Polska" Vol IV, No 4 (35)		"Skrzydlaty Polska" Vol IV, No 4 (35)	
Translation of Russian article, "The Falcons of Stalin" by Lt Col J. Massen. Discusses formation of ice at high speeds, deterioration of plane's aero- dynamic qualities, and increase in temperature of air around a plane moving at high speeds.		Air League is to be successor of League for air and Gas Defense, and all property of latter is to be taken over by Air League. Wiktor Leja has been appointed liquidator. LI-2 plane will be used in a war on insects in forests of coal basin, Kielce, Boronow, Kosmidry, and Chrzelice.	
FDB	72T67	FDB	72T68
POLAND/Aeronautics Gliders Training, Aviation	Apr 1948	USSR/Aeronautics Planes, Transport Planes, Military	Apr 1948
"Technical News Items" 1/8 p		"Planes in Battle," A. Volkov, 1/8 p	
"Skrzydlaty Polska" Vol IV, No 4 (35)		"Skrzydlaty Polska" Vol IV No 4 (35)	
Brief description of new ABC training glider, which features folding wings to take up less hangar space.		Popular discussion of war and transport planes and of aviation tactics.	
FDB	72T69	FDB	72T70

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<p>POLAND/Aeronautics Wind Tunnels Jet Engines</p> <p>Apr 1948</p> <p>"Bulletin of the Technical Institute of Aviation," 1/8 p</p> <p>"Skrzydłata Polska" Vol IV, No 4 (35)</p> <p>Lists latest books on aviation: "Elastic, Yet Plastic or Durable Transformation," Prof M. T. Huber, Engr; "Weight Arrangements in Wind Tunnels," H. Janicki, Engr; "Efficiency of a Jet Engine With Supplementary Combustion of Fuel in the Exhaust," K. Szalwinski, Engr; "Dynamic Compression of an Ideal Gas," L. Niemand, Engr; and "Present Attainments in the Sphere FDB 72T71</p>	<p>POLAND/Aeronautics Airplanes - Construction</p> <p>Apr 1948</p> <p>"L. W. D. (Experimental Work Shops for Aviation)" 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 4 (35)</p> <p>Resume of work done by L. W. D. for the last 3 years. Leader of L. W. D. is Wladziu Zielniewicz. Mentions work done on Junak.</p> <p>FDB 72T72</p>
<p>POLAND/Aeronautics (Contd)</p> <p>Apr 1948</p> <p>of Plates and Stiffened Covering," Maj A. Kornecki.</p> <p>FDB 72T71</p>	<p>POLAND/Aeronautics Gliders - Design</p> <p>Jun 1948</p> <p>"Duck IS-5," Irene Kaniewska, 1 p</p> <p>"Skrzydłata Polska" Vol IV, No 6 (37)</p> <p>Good description, with data and drawings, of an ex- perimental duck glider which is being tried by Glider Institute in Bielsk. Constructed by Kan- iewska and Kostia.</p> <p>FDB 72T73</p>
<p>POLAND/Aeronautics Gliders - Towing devices Gliders - Towing</p> <p>Jun 1948</p> <p>"Weighting a Glider at the Start by Means of Towline," Wladyslaw Nowakowski, 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 6 (37)</p> <p>Mathematical discussion of mechanics and effects of towline on flight of a glider.</p> <p>FDB 72T74</p>	<p>CZECHOSLOVAKIA/Aeronautics Airlines Airways</p> <p>Jun 1948</p> <p>"Twenty-five Years of Czech Air Communication," Lt Rudolf Urich, 1½ p</p> <p>"Skrzydłata Polska" Vol IV, No 6 (37)</p> <p>Czech air lines began in 1923. Describes expansion and quick recovery after devastating war years.</p> <p>FDB 72T75</p>
<p>POLAND/Aeronautics, Military Pilots, Air Training, Aviation</p> <p>Jun 1948</p> <p>"Officers' Air School," Jerzy Konieczny, 1 p</p> <p>"Skrzydłata Polska" Vol IV, No 6 (37)</p> <p>Describes founding of school and its constant work in training new cadres for Army Air Force. Mentions rigorous training received at school.</p> <p>FDB 72T76</p>	<p>POLAND/Aeronautics Airplanes, Trainer</p> <p>Jun 1948</p> <p>"Junak (Polish Plane)" 2 pp</p> <p>"Skrzydłata Polska" Vol IV, No 6 (37)</p> <p>Tests of subject army trainer proved its adapta- bility for training purposes. Describes plane in some detail.</p> <p>FDB 72T77</p>

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POLAND/Aeronautics Airlines Airways "Polish Air Lines 'Lot'," Jerzy Zarebski, 2 pp "Skrzydlatą Polską" Vol IV, No 6 (37) Stresses importance of air communication. Compares work of "Lot" today with the Polish air lines in 1938. Describes domestic and international routes of "Lot" and future plans for expansion. Mentions a new transport plane, "MIS," used on short routes.	Jun 1948 FDB 72T78	POLAND/Aeronautics Gliders Landing Field "Zar Makes the First Announcement" $\frac{1}{2}$ p "Skrzydlatą Polską" Vol IV, No 6 (37) In spite of incomplete facilities of glider field at Zar, glider flights were being made in March. Describes glider flights of Puzej, Adamski, and Zientek.	Jun 1948 FDB 72T79
POLAND/Aeronautics Gliders - Performance Gliders "The Flying of the 'Mucha'," Adam Markiewicz, 2 pp "Skrzydlatą Polską" Vol IV, No 6 (37) Comparison of work of "IS" (Glider Institute in Bielsk) with prewar organizations. Mentions four new Polish gliders, "ABC," "Salamander," "SEP," and "Mucha." Describes "Mucha" glider and its test flights. Constructed by Franciszek Kotowski, Irene Kaniewska, and Marian Wasilewski.	Jun 1948 FDB 72T80	USSR/Aeronautics Airplanes, Military "Russian Planes at the Poznan Fair," Stefan Prawowski, 2 pp "Skrzydlatą Polską" Vol IV, No 6 (37) The USSR had four planes exhibited at fair: PO-2, YAK-18, YAK-16, and IL-12. Describes these planes stressing their finer points.	Jun 1948 FDB 72T81
POLAND/Aeronautics Glider - Performance "News at Home" $\frac{1}{8}$ p "Skrzydlatą Polską" Vol IV, No 6 (37) New glider record by Edward Adamski, in a two-passenger glider; duration of flight, 11 hours and 54 minutes.	Jun 1948 FDB 72T82	USSR/Aeronautics Model Construction Airplanes "News from Abroad" $\frac{1}{4}$ p "Skrzydlatą Polską" Vol IV, No 6 (37) Museum of YAK model planes started in offices of Russian designer Yakovlev. Mentions new Czech civilian plane, Hodak HK-101. Gives no details about plane. Discusses change in political situation and benefits to aviation.	Jun 1948 FDB 72T83
POLAND/Engineering Jet Propulsion Jet Engines, Turbojet "Theoretical Basis for Jet Propulsion," Kazimierz Kamienobrodzki, Engr, 3 pp "Skrzydlatą Polską" Vol II, No 6 (13) Elementary description of jet, turbojet, and rocket operation and the thrust generated.	Jun 1946 FDB 72T84	USSR/Geophysics Arctic Studies "The Spiteful Gremlin and the Magnetic Pole" $\frac{2}{3}$ p "Skrzydlatą Polską" Vol IV, No 4 (35) Discusses MacKinley's polar expedition and compares its work with that of the Arctic Institute of Leningrad published in "Scientific Results of the Expedition to the Inaccessible Pole." Mentions work of Soviet Scientist, Cyril Veynberg, and K. Fedchenko.	Apr 1948 FDB 72T85

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USSR/Medicine - Flight Medicine - Fatigue		Nov 1947	POLAND/Medicine - Fatigue Medicine - Amphetamine		Oct 1946
"Indications of the Psychophysical State in Flight Personnel," Lt Gen L. Rathays, 1 p			"Battle With Fatigue" $\frac{1}{2}$ p		
"Skrzydlatka Polska" Vol III, No 11 (30)			"Skrzydlatka Polska" Vol II, No 10 (17)		
Translated from Russian. Discusses emotional and nervous strains which results from fatigue, anticipation of flight and other causes, and results in a decrease in efficiency. Gives recognition of these signs.			Discusses use of benzedrine and pervotin, and caution to be observed in their use.		
FDB		72T86	FDB		72T87
POLAND/Medicine - Radioactivity, Injurious Effects Nuclear Physics - Atom Bomb		Oct 1946	POLAND/Meteorology Winds		Jul 1946
"Air Medicine" Col Dr Stanislaw Bober, $\frac{1}{2}$ p			"Halniak (Type of Wind)," W. Tylezak, 2 pp		
"Skrzydlatka Polska" Vol II, No 10 (17)			"Skrzydlatka Polska" Vol II, No 7 (14)		
Action of atom bomb on human organism. Quotes report of American Dr. Keller, on his treatment of atom-bomb victims.			Describes conditions for halniak, a type of wind encountered in glider flights in Carpathian region, its occurrence, and duration. Refers to "fonow" winds in Caucasus, studied by Russian, N. Kolivin.		
FDB		72T88	FDB		72T89
POLAND/Meteorology Meteorological Stations Meteorology, Military		Dec 1947	POLAND/Nuclear Physics - Atomic Energy Nuclear Physics - Atom Bomb		Apr 1946
"Meteorological Service," Maj Wladyslaw Parczewski, 1 p			"Atomic Energy," Kazimierz Kamienobrodzki, Engr, 4 pp		
"Skrzydlatka Polska" Vol III, No 12 (31)			"Skrzydlatka Polska" Vol II, No 4 (11)		
Mentions three meteorological services in Poland and their duties: (1) Military, (2) Civilian, organized by Czeslaw Szczeczinski, serves Polish airlines and trains new personnel; (3) National Meteorological Institute. Discusses activities of these groups.			Points out interest of aviation in atomic energy. Gives basic explanation of atom and isotopes, Einstein's theories, uranium and U-235, plutonium, chain reaction, and its difficulties. Discusses general theory of atom bomb and cost of producing atomic energy. In bibliography, refers to "Zarys Rozwoju Fizyki Atomowej," A Volicki, Polish Air Bulletin, Jan 1946.		
FDB		72T90	FDB		72T91
USSR/Nuclear Physics - Atom Bomb Nuclear Physics - Uranium		Jan 1946	USSR/Physics Optics, Geometrical Instruments, Optical		Mar 1948
"Air News" 1/8 p			"Reviews of 'Optics in War' by S. I. Vavilov and M. W. Sevastyanova" 1/8 p		
"Skrzydlatka Polska" Vol II, No 1 (8)			"Skrzydlatka Polska" Vol IV, No 3 (34)		
New atom bomb supposed to have been made by Russian Scientists Ioffe, Kapits, Semenov, Vavilov, and Zel'dovich. Bomb is supposed to use a smaller quantity of uranium than other atomic bombs.			Vol I, physical and geometric optics, methods, aides, usages. Vol II, vital use of optical instruments in war. Simply and clearly stated. Published by Acad of Science USSR, Moscow, 1945.		
FDB		72T92	FDB		72T93

FDB Periodical Abstracts Scientific No 72		FDB Periodical Abstracts Scientific No 72	
USSR/Physics Explosions - Propagation Hydrodynamics	Mar 1948	USSR/Radio Meteorological Stations Arctic Studies	Feb 1946
"Review of 'Theory of Explosive Waves and Fundamentals of Gas Dynamics' by Ya. B. Zel'dovich" 1/8 p		"News From Abroad" 1/4 p	
"Skrzydlatą Polska" Vol IV, No 3 (34)		"Skrzydlatą Polska" Vol II, No 2 (9)	
Discusses hydrodynamics and gas dynamics.		First USSR automatic radio station at the North Pole established 1945. Station can operate for 2 years without any attention. It can send meteorological data by special code signal. Return to peacetime schedules of air communication in USSR, including Moscow-Yakutsk -- US line. Introduction of a Moscow--Vladivostok line and connection with other areas.	
FDB	72T94	FDB	72T95
POLAND/Radio Height Finders	Nov 1947	List of Abbreviations used in FDB Periodical Abstracts	
"Radio Height Finder," Rudolf Urich 1 p		ID	Intelligence Division Library
"Skrzydlatą Polska" Vol III, No 11 (30)		AMC	Air Documents Division, Air Material Command
Explains construction and operation of a radio height finder.		ST	Reference Division, State Department
		BM	Bureau of Mines, Department of Interior
		BS	National Bureau of Standards
		SI	Smithsonian Institution
		LC	Library of Congress
		FDB	Foreign Documents Branch, CIA
		COM	Department of Commerce
		AF	A-2 Library, USAF
FDB	72T96		